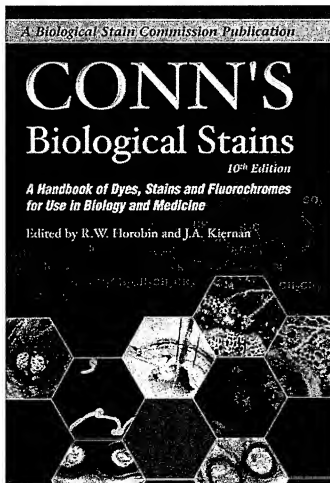
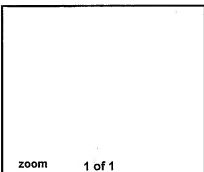


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**C5362 Conn's Biological Stains, A Handbook of Dyes, Stains and
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and availability information?[Click Here](#)**C5362 Conn's Biological Stains, A Handbook of Dyes, Stains and Fluorochromes for Use in Biology and Medicine, 10th ed.**

General description For 75 years Conn's Biological Stains has been a standard reference and colorants in biological and medical sciences. This edition appears 25 years after the first edition, rewritten to reflect the increase in range of uses. Although staining of microscopical preparations with the uses of dyes and fluorochromes now extend beyond this application. This book provides a whole range of low molecular weight fluorescent probes, outside the catalog literature. It also covers the important aspects of colorants and their uses. The remainder consists of descriptions of applications of hundreds of individual compounds, in about twenty chemical classes.

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Dyes and stains

- * History of stains and staining
- * Classification of dyes and dye nomenclature
- * Applications of dyes, fluorochromes and pigments
- * Mechanisms of biological staining
- * Significance of dye purity and standardisation for biological staining
- * Hazards and risks of dyes, pigments and fluorochromes
- * Fluorochromes and fluorescent probes
- * Reactive dyes, fluorescent labels and conjugation agents
- * Use of dyes and fluorochromes as indicators
- * Nitroso and nitro dyes
- * Monoazo dyes
- * Dis-, tri- and polyazo dyes
- * Diazonium salts and their reaction products with coupling agents

Z553476 Industrial Dyes: Chemistry, Properties, Applications

Aldrich



General description Dyes - originally obtained exclusively from natural sources - are today also produced and represent one of the very mature and traditional sectors of the chemical industry. The present reference provides a comprehensive review of the chemistry, properties and applications of the most important groups of optical brighteners. It also outlines the latest developments in the area of functional dyes. Renowned experts have contributed to the chapters on chemical chromophores, synthesis and application of the various dye textile dyeing.

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 List of Examples of Commercially Available Dyes.
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DYOMICS
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Fluorescent Dyes for Bioanalytical
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5th Edition - autumn 2007

Label

Table with spectral characteristics of DY-Labels

label	absorption maximum* [nm]	molar absorptance* [l·mol ⁻¹ ·cm ⁻¹]	emission maximum* [nm]	molecular weight* [g·mol ⁻¹]	order number	page
DY-405	400	32'000	420	695.59	405	9
DY-415	416	34'000	467	476.48	415	10
DY-490	490	73'000	516	769.67	490	11
DY-495	493	70'000	521	525.94	495	12
DY-505-X5	505	80'000	530	523.97	505-X5	13
DY-547	557	150'000	574	638.74	547	14
DY-548	558	150'000	572	754.81	548	15
DY-549	560	150'000	575	884.91	549	16
DY-554	551	100'000	572	580.08	554	17
DY-555	547	100'000	572	636.19	555	18
DY-556	548	100'000	573	715.80	556	19
DY-560	559	120'000	578	671.84	560	20
DY-590	580	120'000	599	719.88	590	21
DY-610	610	80'000	630	667.76	610	22
DY-615	621	200'000	641	578.73	615	23
DY-630	636	200'000	657	634.84	630	24
DY-631	637	200'000	658	736.88	631	25
DY-632	637	200'000	657	852.96	632	26
DY-633	637	200'000	657	750.91	633	27
DY-634	637	200'000	658	989.03	634	28
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